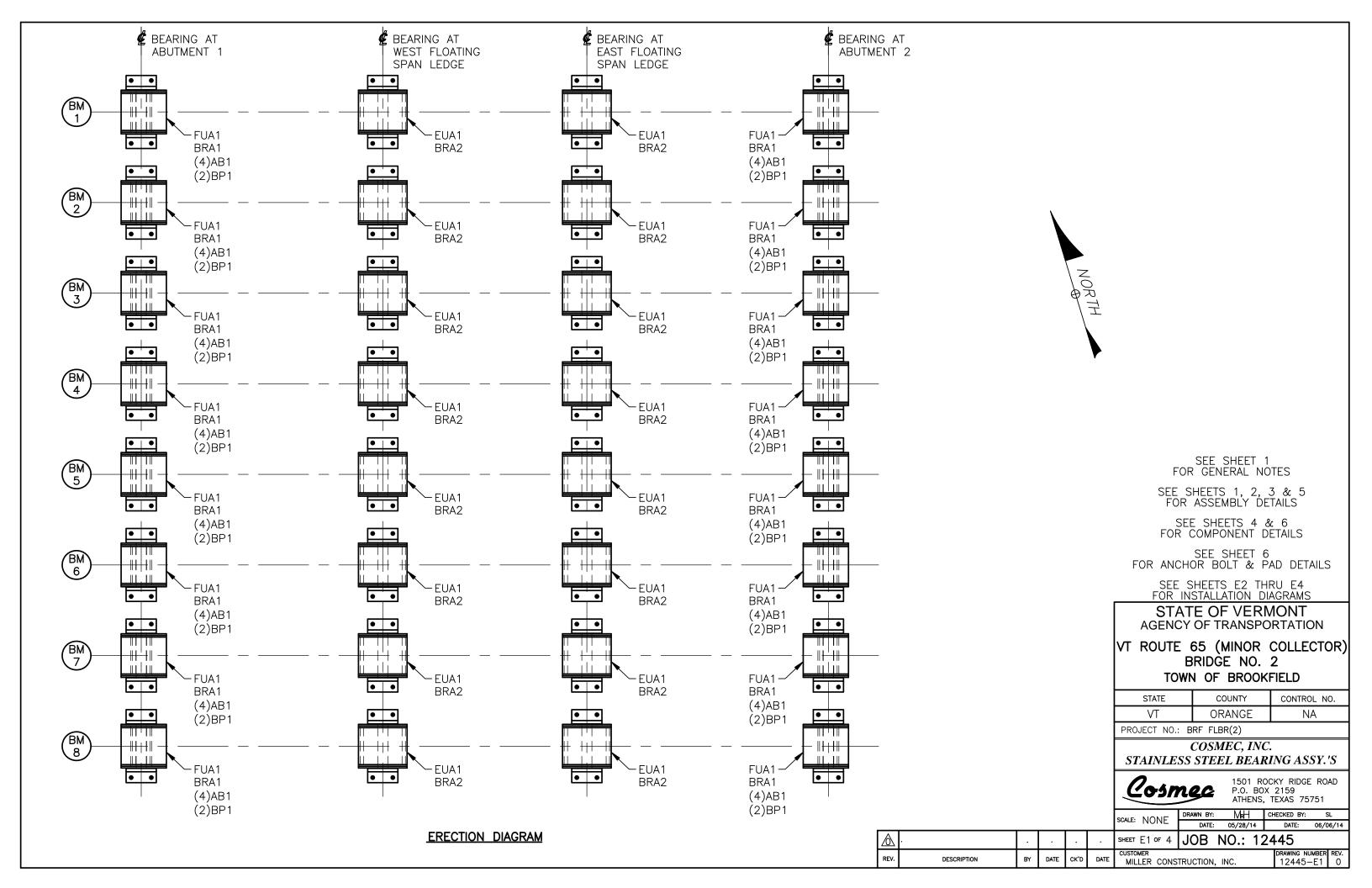
MILLER CONSTRUCTION, INC.

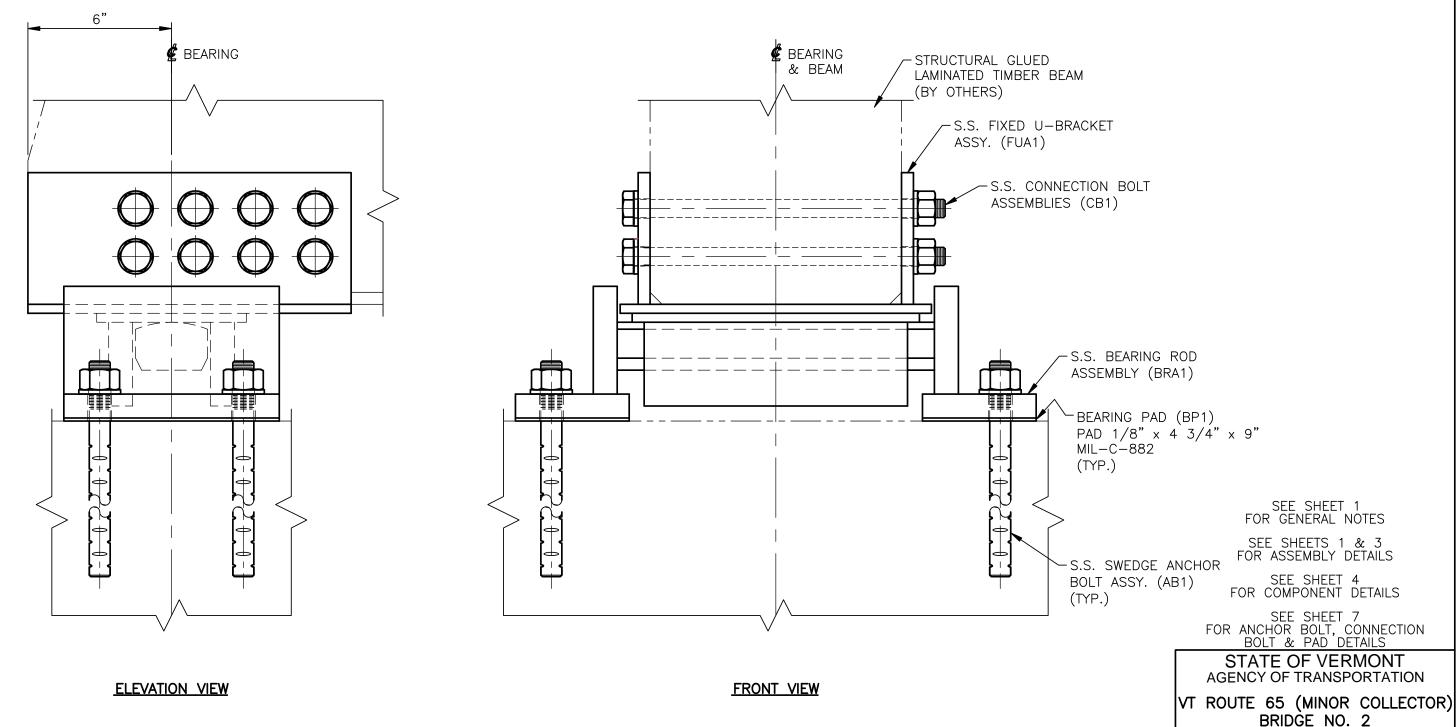
P.O. BOX 86 ASCUTNEY BLVD WINDSOR, VERMONT 05089-0086 TELEPHONE (802) 674-5525 / FAX (802) 674-5245

TRANSMITTAL

TO: 1	Fileb DF		IDATE	I DDO JECT NO	
	er Fitch, PE		DATE	PROJECT NO.	
_	t Manager		6/11/2014	Brookfield	
Vermo	ont Agency o	of Transportation BRF FLBR (2)		BRF FLBR (2)	
XX	WE ENCLOSE THE	FOLLOWING:	_ UNDER SEPARATE COVER WE A	RE SENDING THE FOLLOWING	
COPIES	NUMBER	DESC	RIPTION	CODE	
1		Bearing Device Assembly Shop Drav	wings - Rev 0	Н	
1		Bearing Device Assembly WPS - Re	v 0	Н	
			- <u> </u>		
		, ,,			
CODE:					
A FOR INITIA	L APPROVAL		H FOR APPROVAL		
B FOR FINAL			I AS REQUESTED OR RE	•	
		RESUBMISSION REQUIRED	J FOR USE IN ERECTION	I	
	VED-RESUBM	RESUBMISSION NOT REQUIRED	K LETTER FOLLOWS L FOR FIELD CHECK		
			M FOR YOUR USE		
F QUOTATION REQUESTED G APPROVED			m r ork rook doz		

Y: Part / HM





FIXED BEARING ASSEMBLY INSTALLATION DIAGRAM

(8) LOCATED @ ABUTMENT 1

(8) LOCATED @ ABUTMENT 2 (16) REQUIRED

TOWN OF BROOKFIELD

VT ORANGE NA	STATE	COUNTY	CONTROL NO.
V1 0104(0E 10)	VT	ORANGE	NA

PROJECT NO.: BRF FLBR(2)

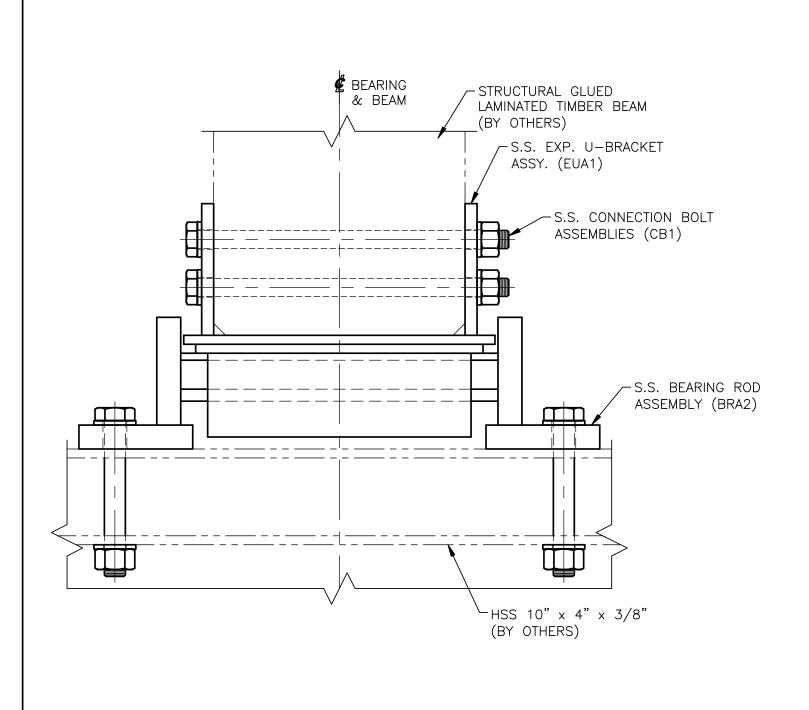
COSMEC, INC. STAINLESS STEEL BEARING ASSY.'S

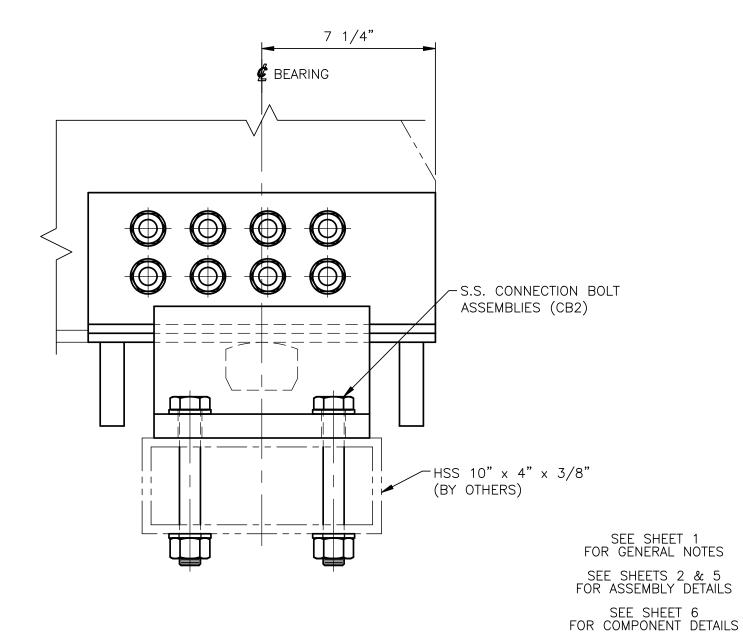
Cosmec

1501 ROCKY RIDGE ROAD P.O. BOX 2159 ATHENS, TEXAS 75751

SCALE: NONF	DRAWN BY:	MaH	CHECKED BY:	SL
SCALE: NOINE	DATE:	05/28/14	DATE:	06/06/14
SHEET EO OF A		NO • 1′	2445	

		•	٠	·	•	SHEET E2 OF 4 JOB NO.:	12445
REV.	DESCRIPTION	BY	DATE	CK'D	DATE	CUSTOMER MILLER CONSTRUCTION, INC.	DRAWING NUMBER REV. 12445—E2 0





FRONT VIEW

EXPANSION BEARING ASSEMBLY INSTALLATION DIAGRAM

(8) LOCATED @ WEST FLOATING SPAN LEDGE

(8) LOCATED @ EAST FLOATING SPAN LEDGE (16) REQUIRED

FRONT VIEW

SEE SHEET 7
FOR CONNECTION BOLT DETAILS STATE OF VERMONT AGENCY OF TRANSPORTATION

|VT| ROUTE 65 (MINOR COLLECTOR) BRIDGE NO. 2 TOWN OF BROOKFIELD

STATE	COUNTY	CONTROL NO.
VT	ORANGE	NA

PROJECT NO.: BRF FLBR(2)

COSMEC, INC. STAINLESS STEEL BEARING ASSY.'S

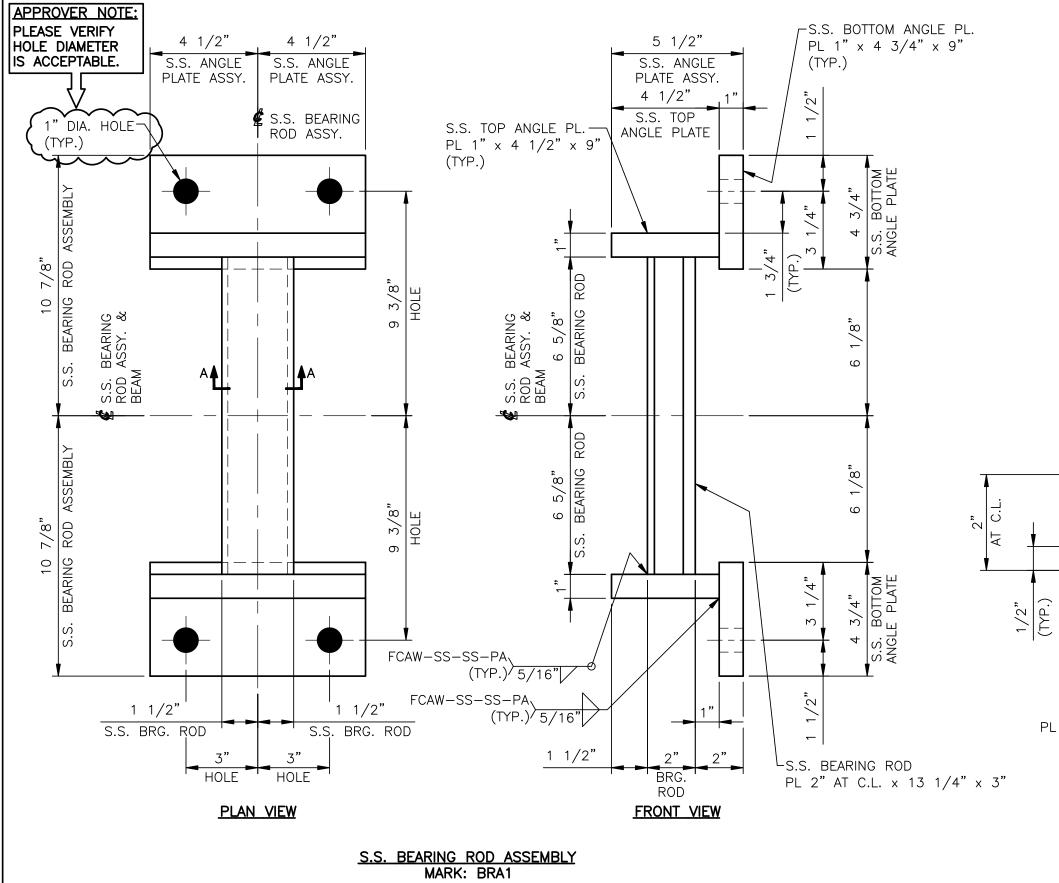


1501 ROCKY RIDGE ROAD P.O. BOX 2159 ATHENS, TEXAS 75751

 DRAWN BY:
 NH
 CHECKED BY:
 SL

 DATE:
 05/28/14
 DATE:
 06/06/14
 SCALE: NONE

SHEET E3 OF 4 JOB NO.: 12445 CUSTOMER
MILLER CONSTRUCTION, INC. DRAWING NUMBER 12445—E3 DESCRIPTION



GENERAL NOTES:

1. ALL BEARINGS SHALL CONFORM TO APPLICABLE SUBSECTIONS OF SECTION 731.01 OF THE 2011 VTAOT STANDARD SPECIFICATIONS AND SECTION "BEARING DEVICE ASSEMBLY, FLOATING BRIDGE" OF THE SPECIAL PROVISIONS FOR: BROOKFIELD BRF FLBR (2) DATED 02/11/14.

2. MATERIAL:

STEEL COMPONENTS: ASTM A240 TYPE 304 (UNPAINTED) S.S. SWEDGE ANCHOR BOLT: ASTM F593, ALLOY GROUP 2, CONDITION CW

7/8" DIA. S.S. CONNECTION BOLT: ASTM F593, ALLOY GROUP 2, CONDITION CW

7/8" DIA. S.S. HEX NUT: ASTM F594, ALLOY GROUP 2, CONDITION CW

7/8" DIA. S.S. WASHER: TYPE 316 STAINLESS STEEL

3/4" DIA. S.S. CONNECTION BOLT: ASTM F593, ALLOY GROUP 2, CONDITION CW

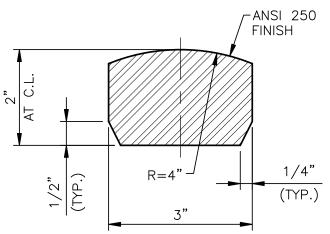
3/4" DIA. S.S. HEX NUT: ASTM F594, ALLOY GROUP 2, CONDITION CW

3/4" DIA. S.S. WASHER: TYPE 316 STAINLESS STEEL

BEARING PAD: MIL-C-822

PLAIN PAD (IN ROLLS): 60 DUROMETER GRADE 3 NEOPRENE

3. COSMEC REPRESENTATIVE KERRY MARCHAND: (508) 455-3290



SECTION A-A BEARING ROD ASTM A240 TYPE 304 PL 2" AT C.L. x 13 1/4" x 3 (16) REQUIRED

STATE OF VERMONT AGENCY OF TRANSPORTATION

VT ROUTE 65 (MINOR COLLECTOR) BRIDGE NO. 2 TOWN OF BROOKFIELD

STATE	COUNTY	CONTROL NO.
VT	ORANGE	NA

PROJECT NO.: BRF FLBR(2)

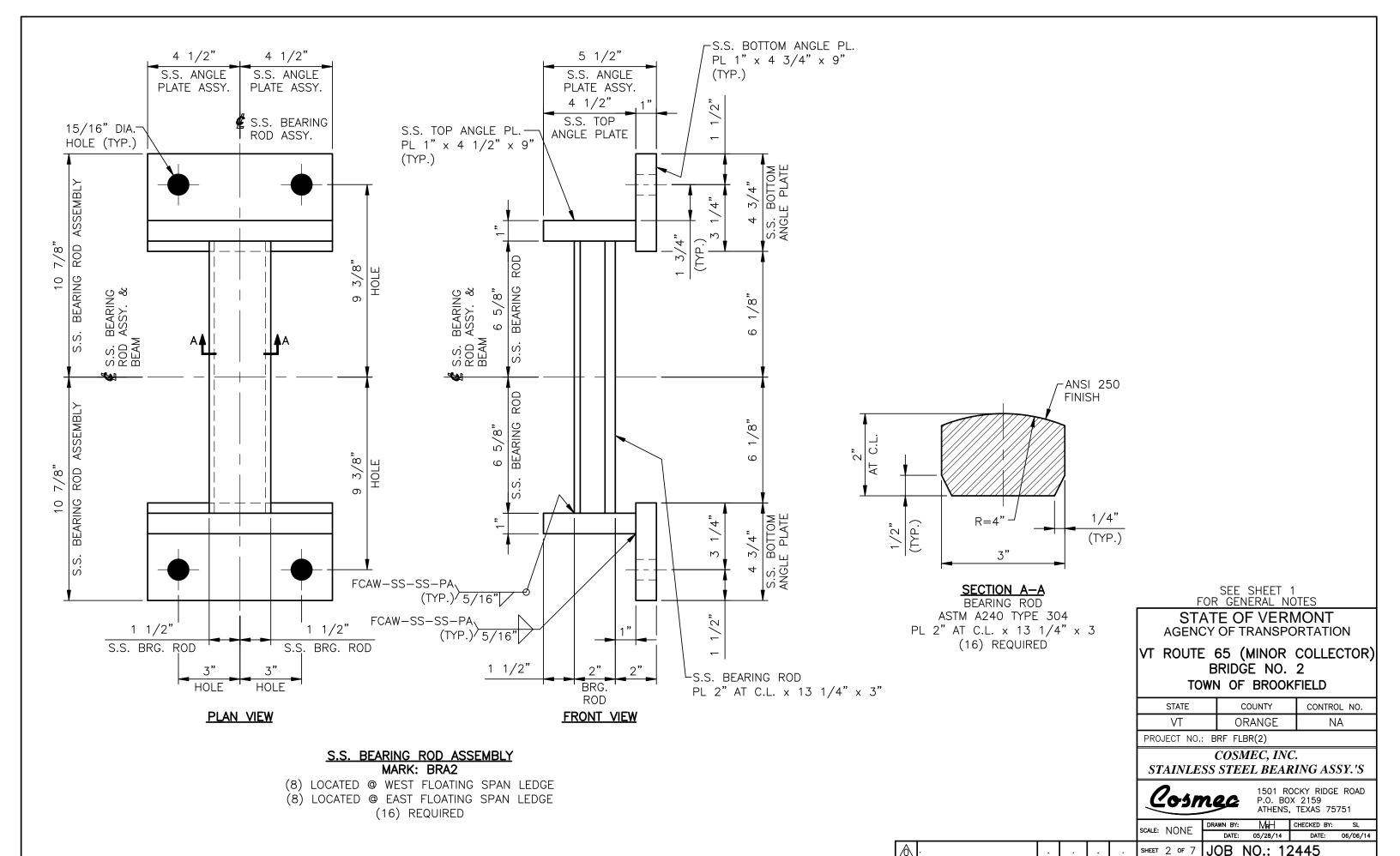
COSMEC, INC. STAINLESS STEEL BEARING ASSY.'S



1501 ROCKY RIDGE ROAD P.O. BOX 2159 ATHENS, TEXAS 75751

| Note |

- (8) LOCATED @ ABUTMENT 1
- (8) LOCATED @ ABUTMENT 2 (16) REQUIRED

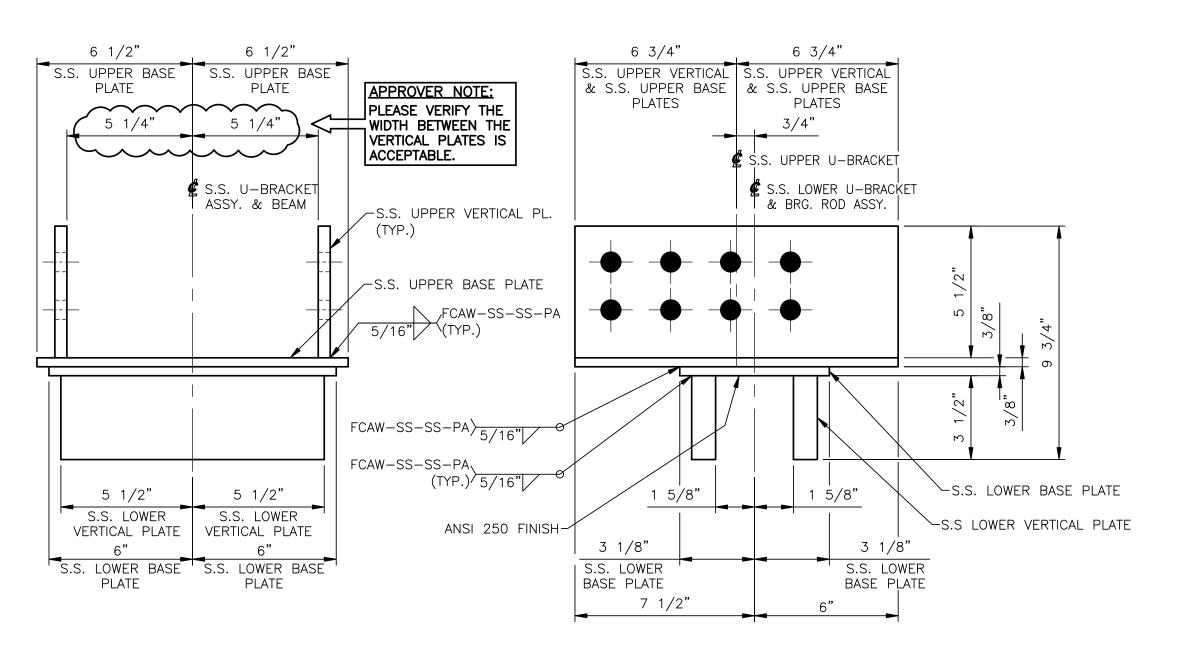


CUSTOMER

MILLER CONSTRUCTION, INC.

DESCRIPTION

DRAWING NUMBER 12445-D2



FRONT VIEW <u>ELEVATION VIEW</u>

S.S. FIXED U-BRACKET ASSEMBLY MARK: FUA1

- (8) LOCATED @ ABUTMENT 1
- (8) LOCATED @ ABUTMENT 2 (16) REQUIRED

SEE SHEET 1 FOR GENERAL NOTES

SEE SHEET 4
FOR COMPONENT DETAILS

STATE OF VERMONT AGENCY OF TRANSPORTATION

VT ROUTE 65 (MINOR COLLECTOR)
BRIDGE NO. 2
TOWN OF BROOKFIELD

STATE	COUNTY	CONTROL NO.
VT	ORANGE	NA

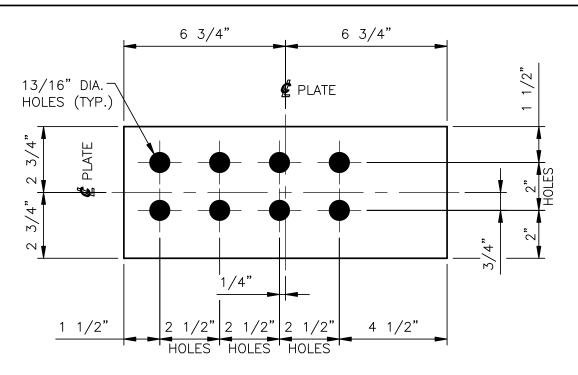
PROJECT NO.: BRF FLBR(2)

COSMEC, INC. STAINLESS STEEL BEARING ASSY.'S

Cosmec

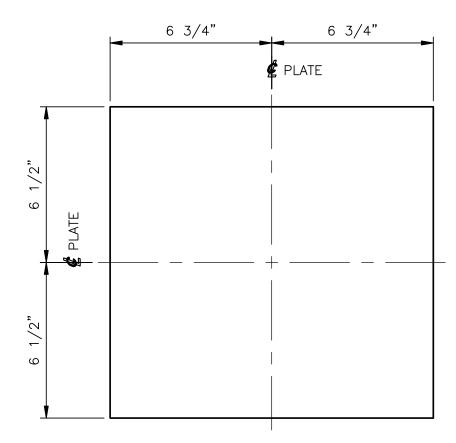
1501 ROCKY RIDGE ROAD P.O. BOX 2159 ATHENS, TEXAS 75751

| Color | Colo



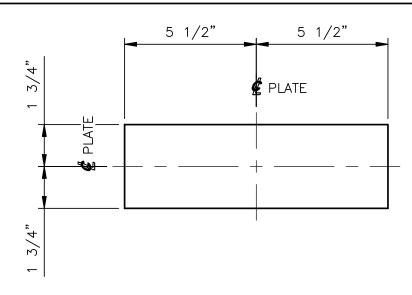
S.S. UPPER VERICAL PLATE MARK: FUA1

PL 1/2" x 5 1/2" x 13 1/2" ASTM A240 TYPE 304 (UNPAINTED) (32) REQUIRED



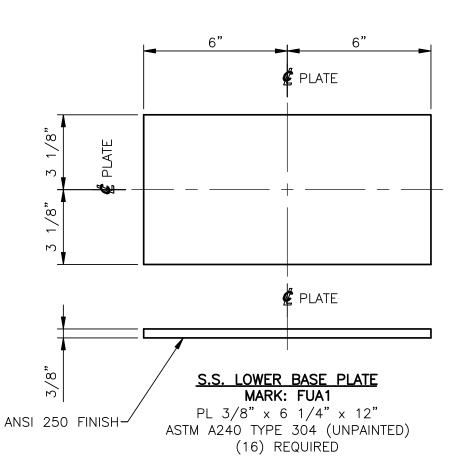
S.S. UPPER BASE PLATE MARK: FUA1

PL 3/8" x 13" x 13 1/2" ASTM A240 TYPE 304 (UNPAINTED) (16) REQUIRED



S.S. LOWER VERICAL PLATE MARK: FUA1

PL 1" x 3 1/2" x 11" ASTM A240 TYPE 304 (UNPAINTED) (32) REQUIRED



SEE SHEET 1 FOR GENERAL NOTES

SEE SHEET 3 FOR ASSEMBLY DETAILS

STATE OF VERMONT AGENCY OF TRANSPORTATION

VT ROUTE 65 (MINOR COLLECTOR)
BRIDGE NO. 2
TOWN OF BROOKFIELD

STATE	COUNTY	CONTROL NO.
VT	ORANGE	NA

PROJECT NO.: BRF FLBR(2)

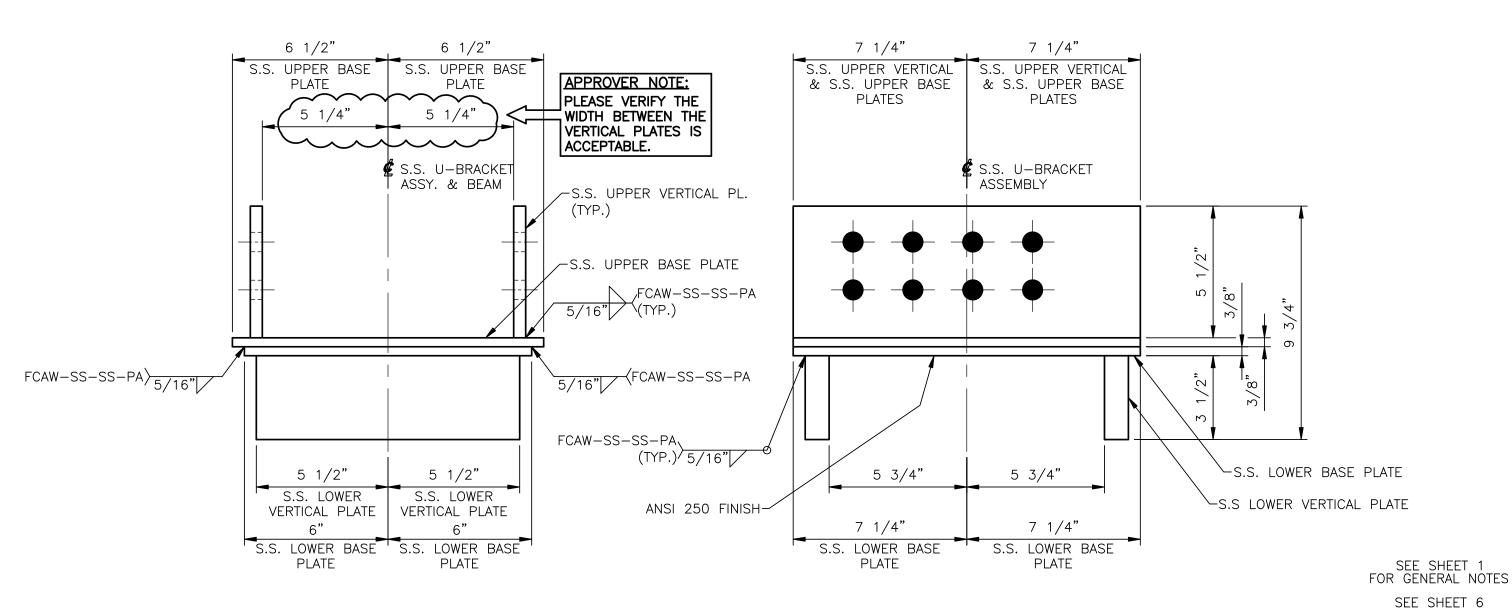
COSMEC, INC. STAINLESS STEEL BEARING ASSY.'S



1501 ROCKY RIDGE ROAD P.O. BOX 2159 ATHENS, TEXAS 75751

COAL E.	NONE	DRAWN BY:	MaH	CHECKED BY:	S
SCALE:	NONE	DATE:	05/28/14	DATE:	06/0

 A
 DESCRIPTION
 BY
 DATE
 CK'D
 DATE
 CUSTOMER MILLER CONSTRUCTION, INC.
 DRAWING NUMBER REV. 12445—D4
 OR NO.: 12445—D4



FRONT VIEW **ELEVATION VIEW**

S.S. EXPANSION U-BRACKET ASSEMBLY MARK: EUA1

- (8) LOCATED @ WEST FLOATING SPAN LEDGE
- (8) LOCATED @ EAST FLOATING SPAN LEDGE (16) REQUIRED

SEE SHEET 6
FOR COMPONENT DETAILS

STATE OF VERMONT AGENCY OF TRANSPORTATION

VT ROUTE 65 (MINOR COLLECTOR) BRIDGE NO. 2 TOWN OF BROOKFIELD

STATE COUNTY CONTROL NO. ORANGE NA

PROJECT NO.: BRF FLBR(2)

COSMEC, INC. STAINLESS STEEL BEARING ASSY.'S

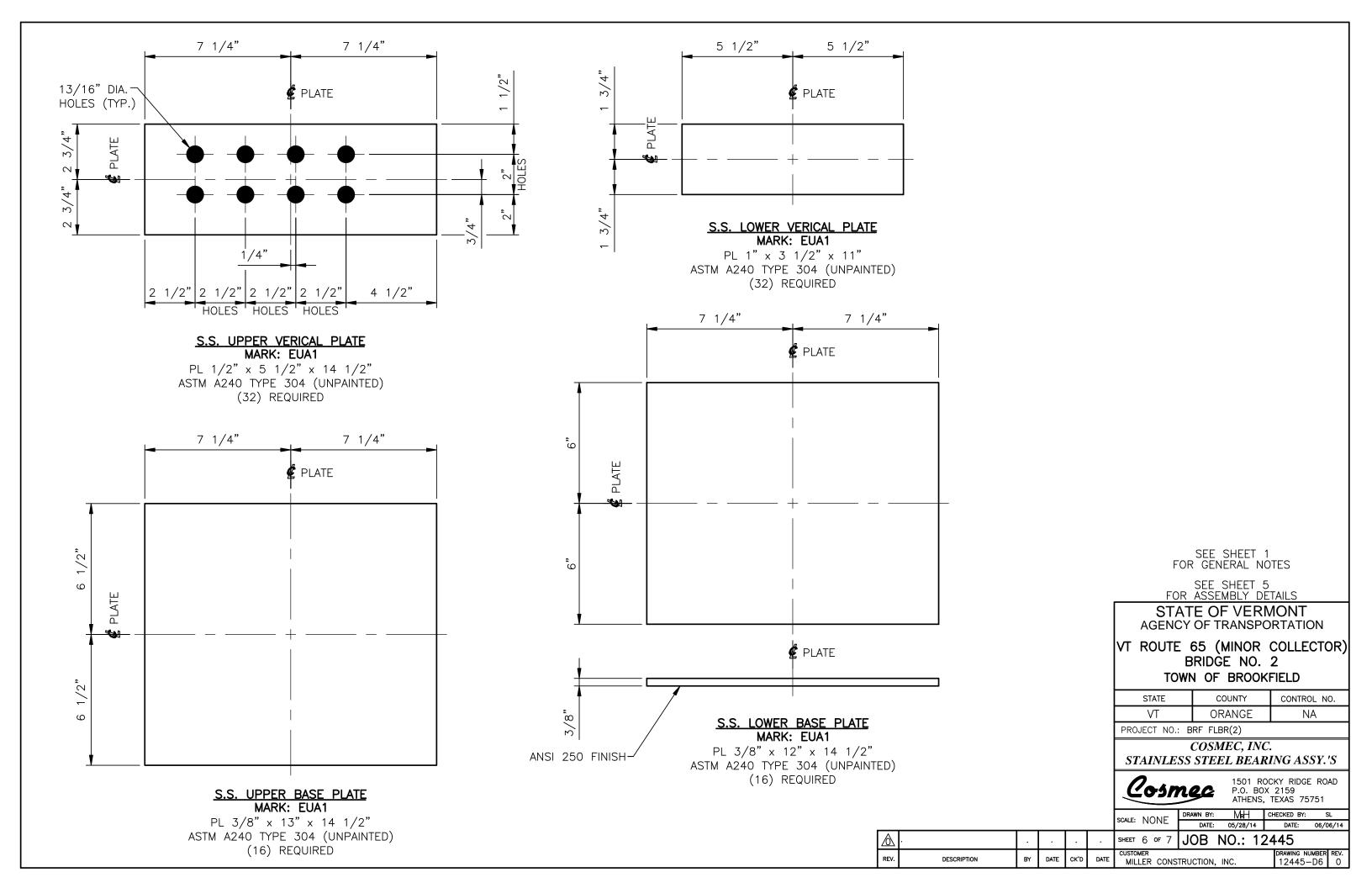
Cosmec

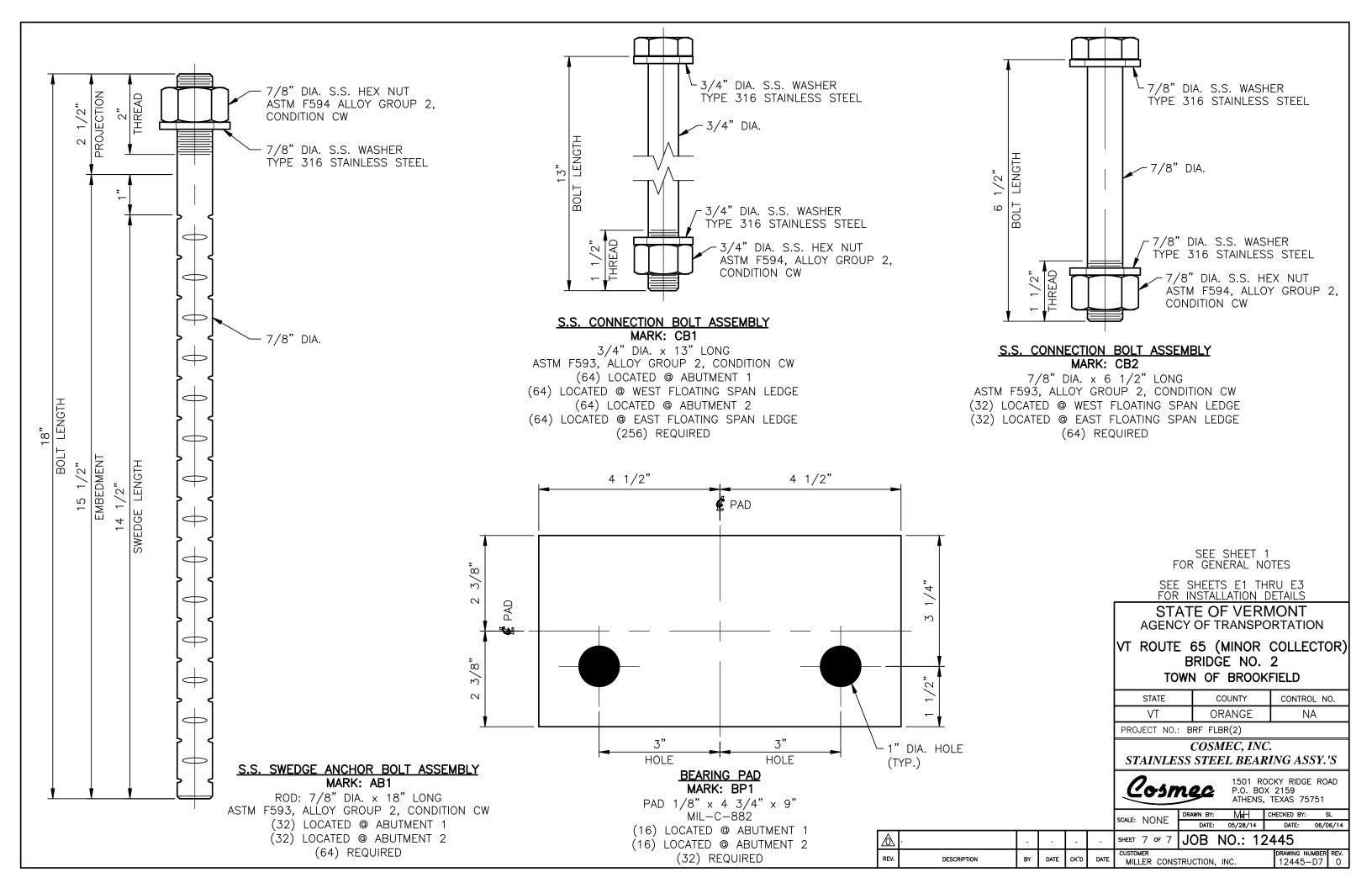
1501 ROCKY RIDGE ROAD P.O. BOX 2159 ATHENS, TEXAS 75751

DRAWN BY: MH CHECKED BY: SL

SCALE: NONE DATE: 05/28/14 DATE: 06/06/14 SHEET 5 OF 7 JOB NO.: 12445

DRAWING NUMBER 12445-D5 DESCRIPTION MILLER CONSTRUCTION, INC.





COSMEC INC. WELDING PROCEDURE SPECIFICATION

SPECIFICATIONS AND CODE: D1.6

MATERIAL SPECIFICATION ASTM A240 TYPE 304

WELDING PROCESS-----FCAW

MANUAL OR MACHINE----- SEMI-AUTO

POSITION OF WELDING---- 2F

FILLER METAL SPECIFICATION

MANUFACTURER: AVESTA

ER309LT1-1

CLASSIFICATION: A5.22

TRADENAME:

M/A

FLUX----- INTERNAL

SHIELDING GAS-----CO2

FLOW RATE

45 CFH

SINGLE OR MULTIPLE PAS S SINGLE

SINGLE OR MULTIPLE ARC SINGLE

WELDING CURRENT---- DC

POLARITY: REVERSE (EP)

WELDING PROGRESSION-----

ROOT TREATMENT----- CLEANED & PREPARED BRIGHT METAL

PREHEAT AND INTERPASS TEMPERATURE-----SEE BELOW

POSTHEAT TEMPERATURE

N/A

HEAT IMPUT

MIN.---- MAX,---

WELDING PROCEDURE

PASS

ELECTRODE

WELDING CURRENT

BM THICKNESS T1= 1/2" TO U T2= 1/2" TRAVEL SPEED

JOINT DETAIL

NO. ALL

SIZE 0.045 AMPERES 190----220

VOLTS

28--30

11 IPM

PREHEAT TEMPS.

THICKNESS

UP TO 3/4"

TTEMP. 100 DEG.

OVER 3/4" TO 1 1/2"

100 DEG.

OVER 1 1/2" TO 2 1/2"

100 DEG.

OVER 2 1/2"

100 DEG.

A44.5

THIS PROCEURE MAY VARY DUE TO FABRICATION SEQUENCE, FIT-UP, PASS SIZE, ETC. WITHIN THE LIMITATION OF VARIABLES GIVEN IN SECTION 5.

SUPPORTING PQR:

PROCEDURE NO. FCAW-SS--SS-PA

CONTRACTOR: COSMECINC.

AUTHORIZED BY: DONALD VOSE

REVISION NO.

DATE:---

11/17/2005

